Life Skills Mathematics 11

Numbers and Operations

Unit 1 Number Sense

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
30 Days	There are many ways to represent numbers, relationships among numbers and number systems.	How do we count money?	Represents numbers in equivalent forms	Compare quantities and numbers including: 1. Scan the array 2.Compare quantities 3. Count items 4.Identify, count and compare money or prices	Resources: www.aaamath.com www.math-aids.com www.thatquiz.org www.Sheppardsoftware.com www.moneyinstructor.com SWBA to count aloud items, dollars, or coins starting with 10 or more without bridge. SWBA to count aloud by 5's in an ordered array. SWBA to counts out items or dollar bills from a larger set. SWBA to name the values of the coins. SWBA to name three nonconsecutive numbers.	Match Least Most Lower Higher Same Consecutive Nonconsecutive	M11.AA.1.2a (LB) M11.AA.1.2b (LB) M11.AA.1.2c (LB) M11.AA.1.2f (LB) M11.AA.1.2g (LB)

	There are many ways to represent numbers, relationships among numbers and number systems.	How do we count money?	Represents numbers in equivalent forms	Compare quantities and numbers including: 1. Scan the array 2.Compare quantities 3. Count items 4.Identify, count and compare money or prices	Resources: www.aaamath.com www.math-aids.com www.thatquiz.org www.Sheppardsoftware.com www.moneyinstructor.com SWBA to count aloud items or money (bills and coins) by using 1's, 2s, 5s, 10's or 20s. SWBA to count out a combination of one-, five, ten-, and/or twenty-dollar bills. SWBA to count out various denominations of money to purchase items. SWBA to select items that can be purchased for the price named. SWBA to order four nonconsecutive numbers.	Match Least Most Lower Higher Same Consecutive Nonconsecutive	M11.AA.1.2a (LC) M11.AA.1.2b (LC) M11.AA.1.2c (LC) M11.AA.1.2d (LC) M11.AA.1.2e (LB)
Unit 1 Number Sense Assessment							
Unit 2 Computation with Numbers							
Estimated Unit Time Frames	**Big Ideas**	**Essential Questions**	**Concepts (Know)**	**Competencies (Do)**	**Lessons Objectives / Suggested Resources**	**Vocabulary**	**Standards/ Eligible Content**
40 Days	There are many ways to represent	Why do we need to put	Compute accurately and fluently and	Computes accurately (add, subtract,	Resources: www.aaamath.com www.math-aids.com	Add Subtract Multiply	M11.AA.3.1a (LC) M11.AA.3.1b (LC) M11.AA.3.1d (LC)

	numbers, relationships among numbers and number systems.	numbers together?	make reasonable estimates	multiply and divide)	www.thatquiz.org www.Sheppardsoftware.com www.superteacherworksheets.com SWBA to add two numbers or prices. SWBA to add three numbers. SWBA to subtract two numbers or prices. SWBA to multiply numbers by 2s or 5s with items by skip counting. SWBA to add and subtract two numbers or prices in a real-world problem. SWBA to multiply single digit numbers in a word problem. SWBA to divide two numbers.	Skip counting Divide	M11.AA.3.1f (LC) M11.AA.3.1g (LC)
	There are many ways to represent numbers, relationships among numbers and number systems.	Why do we need to put numbers together?	Use estimation strategies in problem solving situations.	Use estimation strategies in problem solving situations (match similar quantities)	Resources: www.aaamath.com www.math-aids.com www.thatquiz.org www.Sheppardsoftware.com www.superteacherworksheets.com www.moneyinstructor.com SWBA to select quantities that is enough. SWBA to match quantities that is enough.	Add Subtract Same equal	M7 & 8.A.A.3.2.a(LB) M7 & 8.A.A.3.2.b(LB) M7 & 8.A.A.3.2.c(LB)

Unit 2 Computation with Numbers Assessment							
Unit 3 Ratios (Fractions)							
Estimated Unit Time Frames	**Big Ideas**	**Essential Questions**	**Concepts (Know)**	**Competencies (Do)**	**Lessons Objectives / Suggested Resources**	**Vocabulary**	**Standards/ Eligible Content**
30 Days	There are many ways to represent numbers, relationships among numbers and number systems.	How do we count money?	Represents numbers in equivalent forms	Demonstrate equivalencies (match and read numbers, sets and fractions.	Resources: www.aaamath.com www.math-aids.com www.thatquiz.org www.Sheppardsoftware.com SWBA to select items divided evenly and in the number specified. SWBA to matches shown to picture. SWBA to match quantity to a fraction. SWBA to divides a group of items into fractional groups.	Divide Fraction Match	M11.AA.1.1a (LC) M11.AA.1.1b (LC) M11.AA.1.1d (LC) M11.AA.1.1f (LC)
Unit 3 Ratios (Fractions) Assessment							
Measurement							

Unit 4 Measurable Attributes

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
40 days	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure.	Why is it important to measure things?	Convert measurements Apply appropriate tools and techniques to determine measurements.	Determine measurements including match, compare and measure by length.	www.Sheppardsoftware.com www.thatquiz.org www.aaamath.com www.math-aids.com SWBA to measures length. SWBA to match objects, pictures of items with same length. SWBA to matches identical shapes, objects, pictures, photographs of same size. SWBA to select longest or shortest objects from pictures of items, photograph of items SWBA to select biggest or smallest objects from pictures of items, photograph of items	Length Units Longest Shortest Larger Smaller	M11.BA.2.2a (LA) M11.BA.2.2b (LA) M11.BA.2.2c (LA) M11.BA.2.2d (LA) M11.BA.2.2e (LA)
	There are many measurable attributes to measure objects and figures, and the units, systems and process	Why is it important to measure things?	Convert measurements	Determine measurements including match, compare and measure by area.	Resources: www.Sheppardsoftware.com www.thatquiz.org www.aaamath.com www.math-aids.com SWBA to match to space SWBA to measure composite item area by counting units.	Larger Smaller Longest Shortest Area	M11.BA.2.2j (LA) M11.BA.2.2b (LB) M11.BA.2.2c (LB)

	needed to measure				SWBA to select the smallest/largest area by counting units in similar shape.		
	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure	Why is it important to measure things?	Convert measurements	Determine measurements including match, compare and measure by volume and capacity.	Resources: www.Sheppardsoftware.com www.thatquiz.org www.aaamath.com www.math-aids.com SWBA to match items with same volume. SWBA to match items with same capacity. SWBA to select the items that hold the most or least. SWBA to select a half-filled item. SWBA to measure using a measuring cup. SWBA to select a quarter-cup measure. SWBA to locate ½ cup or ¼ cup line on a measuring cup. SWBA to measure a large amount using a fraction of a cup.	Larger Smaller Longest Shortest Volume Capacity	M11.BA.2.2f (LA) M11.BA.2.2i (LA) M11.BA.2.2k (LA) M11.BA.2.2d (LB) M11.BA.2.2e (LB) M11.BA.2.2b (LC) M11.BA.2.2c (LC)

	There are many measurable attributes to measure objects and figures, and the units, systems and process needed to measure	Why is it important to measure things?	Convert measurements	Determine measurements including match, compare and measure by time.	www.Sheppardsoftware.com www.thatquiz.org www.aaamath.com www.math-aids.com SWBA to select a clock by function. SWBA to read analog time. SWBA to read digital time. SWBA to match identical digital time. SWBA to match identical analog and digital. SBWA to match digital time to commonly used time phrases. SWBA to determine wait time given two times. SWBA to select activities that takes the most/least amount of time.	Clock Digital Analog Time Most Least	M11.BA.2.2l (LA) M11.BA.2.2f (LB) M11.BA.2.2d (LC) M11.BA.2.2e (LC) M11.BA.2.2g (LC) M11.BA.2.2h (LB)
Unit 4 Measurable Attributes Assessment							
Geometry							
Unit 5 Geometric Properties							

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
20 Days	Two- and three dimensional objects can be described, classified, analyzed by their attributes, and their location can be described quantitatively.	How can we classify different geometric objects?	Use properties of congruence, correspondence, similarity in problem solving setting involving two and three-dimensional figures,	Use basic properties of two- and three-dimensional figures (sorting)	www.Sheppardsoftware.com www.thatquiz.org www.aaamath.com www.math-aids.com SWBA to sort objects into 3 or 4 existing groups.	Congruence Similarity Triangle Circle Quadrilateral Rectangle Square Rhombus	M11.CA.1.3 (LA) M11.CA.1.3 (LB) M11.CA.1.3 (LC)

Unit 5 Geometric Properties Assessment

Data Analysis and Probability

Unit 6 Data Analysis

Estimated Unit Time Frames	Big Ideas	Essential Questions	Concepts (Know)	Competencies (Do)	Lessons Objectives / Suggested Resources	Vocabulary	Standards/ Eligible Content
20 Days	Some questions can be answered by collecting, organizing,	How do I make and read a graph?	Appropriately display and/or use data in problem solving settings.	Interpret data displays, including interpreting	www.mathworksheets4kids.com www.math-aids.com/graphs www.thatquiz.org www.aaamath.com www.math-aids.com	Bar graph pictograph	M11.EA.1.1a (LB) M11.EA.1.1b (LB) M11.EA.1.1c (LB)

	representing, and analyzing data, and the question to be answered determines the data collected, how to best collect it and how to best represent it			graphs and tables.	SWBA to select the largest/ smallest values. SWBA to select the largest/ smallest values from a graph. SWBA to locate a number in a 9-10 item display.		
	Some questions can be answered by collecting, organizing, representing, and analyzing data, and the question to be answered determines the data collected, how to best collect it and how to best represent it	How do I make and read a graph?	Select and/or use mean Median or mode	Use measures of central tendency to describe a data set.	www.Sheppardsoftware.com www.thatquiz.org www.mathworksheets4kids.com www.aaamath.com www.math-aids.com SWBA to select the mode on a graph. SWBA to select an average value on a graph. SWBA to select an average value across 4 values.	Data Mode Median Mean	M11.EA.1.2a (LC) M11.EA.1.2b (LC) M11.EA.1.2c (LC)
	Some questions can be answered by collecting, organizing, representing, and analyzing data, and the question to	How do I make and read a graph?	Apply probability and/or odds to practical situation.	Apply probability and/or odds to practical situation (select most/least likely outcome.	www.Sheppardsoftware.com www.thatquiz.org www.math-aids.com/graphs www.mathworksheets4kids.com www.aaamath.com SWBA to select most/least likely item given the characteristics of a population.	Most Least Probability Outcome Chance	M11.EA.3.1 (LC)

	be answered determines the data collected, how to best collect it and how to best represent it						
Unit 6 Data Analysis Assessment							